

31 May 1994

**INSTALLATION PATROL
(Selfridge ANGB)**

1. **Objective.** As prescribed in AFI 38-201, Air Force Manpower Determinant (AFMD) System, formerly designated as AFR 8-10, this Air National Guard Manpower Standard (ANGMS) quantifies the full-time manpower required to accomplish the tasks described in the work center description (WCD) for varying post equivalents.

2. **Authority.** The AFI 31-series, formerly designated as 125-series of Air Force (AF) and/or Air National Guard (ANG) directives, contain the US Air Force and command policy and procedural guidance for the Installation Patrol work center. This ANGMS has been developed through the functional review process in accordance with the procedures contained in AFPAM 38-208, Air Force Management Engineering Program (MEP) Processes, formerly AFR 25-5.

3. **Applicability.** This standard only applies to Selfridge Air National Guard Base (SANGB), MI. This standard only applies to peacetime operations.

4. **Standard Data:**

- a. Classification. Type III.
- b. Approval Date. 3 Jan 94.
- c. Man-Hour Data Source. Post Equivalent Equation.
- d. Standard Manpower Equation.

(1) $Y = bX$.

(2) $Y_1 = 5.445X$ (Main Gate).

(3) $Y_2 = 3.531X$ (Golf Gate).

(4) $Y_3 = .296$ (River Gate).

(5) $Y_4 = 14.806$ (Installation Patrol).

(6) Where b is:

(a) $b_1 = \frac{(26.478)(7)(4.348)(1)}{148} = 5.445$

(b) $b_2 = \frac{(17.652)(7)(4.229)(1)}{148} = 3.531$

(c) $b_3 = \frac{(5)(2.074)(4.229)(1)}{148} = .296$

(d) $b_4 = \frac{(24)(7)(4.348)(1)(3)}{148} = 14.806$

e. Workload Factors (WLFs):

(1) Title. A Post Equivalent (PE) Authorized.

(2) Definition. The total number of posts/patrols required, as directed by AFI 31-series regulations, validated by ANGR/SEP. PEs are normally expressed in whole numbers or a fraction thereof.

(3) Source. SANGB OPLAN, Resource Protection Plan, Annex C, Operations, Security Police Post/Patrol Coverage Requirement (Post Priority Listing) for normal/peacetime operations.

5. **Application Instructions:**

a. The manpower equations were developed utilizing the post equivalent nonmeasurement method with the following parameters:

(1) Y_1 equals:

(a) A 24-hour operation.

(b) Three shifts per day, seven days per week, including holidays.

(c) One authorization per shift.

(d) .6040 hours per shift, per day for Post Associated Tasks (PATs) [1.812 = .6040(3)].

(e) .2220 hours per shift, per day for Delay Time (DT) [.6660 = .2220(3)].

(2) Y_2 equals:

(a) A 16-hour operation.

(b) Seven days per week, excluding holidays.

(c) One authorization per shift.

(d) .6040 hours per shift, per day for Post Associated Tasks (PATs) [1.812 = .6040(3)].

(e) .2220 hours per shift, per day DT [.4440 = .2220(2)]

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(3) Y₃ equals:

- (a) 1.25-hour operation.
- (b) Five days per week, excluding holidays.
- (c) One authorization per shift.
- (d) .6040 hours per shift, per day for Post Associated Tasks (PATs) (.6040).
- (e) .2220 hours per shift, per day for DT.

(4) Y₄ equals:

- (a) A 24-hour operation.
- (b) Seven days per week, including holidays.
- (c) Three patrols per shift.

b. If any of these parameters change, compute the new value using the appropriate instructions that follow and substitute this new value in the manpower equation at paragraph 4d above.

c. Explanation of Term/Values: $\frac{(\text{hrs/day})+(\text{PAT})+(\text{DT})(\text{days/wk})(\text{weekly conv.})}{\text{Civilian MAF}}$

(1) PATs are those tasks that must be accomplished on a daily basis in addition to the eight-hour shift work per individual. In the case of ANG aircraft security, this equates to 12.63 hours per month (.6040 hours daily). PAT = .6040 hours/day

(2) DT for shift change is the time required to change posted positions every eight hours. In the ANG, this time averages 13.32 minutes per shift change (.2220 hours daily). DT = .2220 hours/day

d. If the current parameters are still valid, including the value for the military MAF, then compute the value for X.

$$(1) PE = \frac{(\text{hrs/day})(\text{days/wk})(\text{WCF})(\text{Crew Size})}{730.464}$$

(2) Explanation of multipliers:

- (a) Hours of day the post is manned (hr/day).
- (b) Days per week the post is manned (days/wk).
- (c) Weeks available per month (Weekly Conversion Factor (WCF)).
- (d) Crew size is the number of individuals required per shift to man the post.

(3) The dividend in the PE equation is the total man-hours in one month [(24)(7)(4.348) = 730.464].

NOTE: A one-person post/patrol manned 24 hours per day, 7 days a week including holidays is equal to 1 PE.

e. Substitute the value for X, derived from paragraph 5d above, in the fractional manpower equation at paragraph 4d(1) and round to the appropriate number of whole manpower authorizations.

f. The AF Form 1113, Standard Manpower Table, identifies the aggregate of allowed manpower by specialty title and AFSC.

g. Refer to attachment two, Standard Manpower Table.

- (1) Find the column that identifies the number of total requirements.
- (2) Read up and across the column to identify AFSCs and grades.

6. **Statement of Conditions.** Installation Patrol performs patrol duties on Selfridge ANGB. This work center is under FAC 4340, Law Enforcement, for supervision. The normal hours of operation for this work center are 24 hours a day, seven days a week, including holidays. There are no other standard of living constraints that affect the daily operation of this work center.

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2 Attachments
1. Work Center Descriptions
2. Standard Manpower Table

WORK CENTER DESCRIPTION**Installation Patrol
(Selfridge ANGB)****DIRECT:**

1. INSTALLATION PATROL POST. Receives information of any development or condition relative to the security of the post, provides entry gate security coverage, operates vehicles and equipment, performs crime prevention and crime detection patrol of assigned patrol area, alerts Law Enforcement Desk of any unusual situation in the area, responds to incident or complaint, restores and maintains order at incident or complaint scene, conducts inquiry and initial investigation of incident, complaint, or allegation; prepares and submits incident or complaint report, performs military working dog patrol, conducts crime prevention physical security survey of on-base quarters or facilities, conducts field interview as required by AFI 31-209, The Air Force Crime Prevention Program, (formerly AFR 125-17); responds to intrusion and duress alarm activation, provides escort and protects public and non-appropriated funds during movement, provides VIP escort, augments Air Force Office of Special Investigation (AFOSI) and other departments for protective service, protects aircraft crash scene, protects and controls entry to scene of disaster or special operations area, performs ceremonial detail, provides anti-hijacking security support, performs or assists in customs inspection, enforces animal control program, performs or assists in search operation, provides transient aircraft security, provides and enforces traffic law enforcement during normal, emergency, or special event; coordinates convoy movement with civil police authorities, employs speed detection equipment, operates screening breath tester and breath analyzer, completes alcohol influence report, responds to scene of motor vehicle accident, provides aid to injured personnel, conducts motor vehicle accident investigation, prepares and submits motor vehicle accident report, issues citation, apprehends suspect, examines suspect, searches suspect, advises suspect of rights, escorts suspect, and informs relief personnel of any development or condition relative to the security of the post.

INDIRECT:

I1. POST ASSOCIATED TASKS. Obtains weapon, ammunition, and equipment; travels to guardmount area, attends guardmount, posts flight member, travels to weapon turn-in area, and turns-in weapon, ammunition, and equipment.

I2. POST QUALIFICATION TRAINING. Receives recurring and annual qualification training.

STANDARD MANPOWER TABLE													
WORK CENTER TITLE/CODE			STANDARD APPLICABILITY MANHOOR RANGE										
Installation Patrol/FAC 4344SE			Post Equivalent										
AIR FORCE SPECIALITY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT										
Security Police	811X2	*											
*Total requirements will be based on approved post equivalents.													
TOTAL													
AIR FORCE SPECIALITY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT										
TOTAL													